

**ABSTRACT**

A mobile telephone handset includes: a storage support which is secured against fraudulent access and which stores the IMEI of the handset. A connector for a secure electronic module is associated with an operator. A handset operating system controls authentication of the IMEI storage support by a secure electronic module which is connected to the aforementioned connector in order to establish a secure communication channel between the storage support and the module and transmission of the IMEI over the secure channel to the secure electronic module. The arrangement can be used to prevent the dynamic modification of the IMEI during the transmission thereof.